

Title (en)

PNEUMATICAL BULK MATERIAL DISCHARGING DEVICE WITH A STAR FEEDER LOCK, ESPECIALLY FOR TIP VEHICLES

Publication

**EP 0122621 B1 19870708 (DE)**

Application

**EP 84104197 A 19840413**

Priority

DE 3313516 A 19830414

Abstract (en)

[origin: EP0122621A2] 1. Pneumatic bulk-material unloading device with a bucket wheel gate, in particular for tipper vehicles, with a) a bucket wheel (3) rotating in a cylindrical housing (33) and a screw conveyor (1, 2) arranged coaxially with the bucket wheel (3) on a common shaft, b) an approximately semi-circular closure body (7) which in each case seals a sector of the screw-side end face of the bucket wheel (3), and c) a gate outlet (35) leading into a compressed-air delivery line, characterized in that d) the chamber walls (34) of the bucket wheel (3) are in turn made as spirals, e) the closure body (7) has a compressed-air connection (71) and at least one compressed-air nozzle (72) blowing out axially into the bucket wheel (3), and f) the closure body edge (73) pointing in the opposite direction to the direction of rotation is made like a blade.

IPC 1-7

**B65G 53/08**

IPC 8 full level

**B65G 33/26** (2006.01); **B65G 53/08** (2006.01)

CPC (source: EP)

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Cited by

CN109497834A; US7266051B2; WO2004104712A1

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